Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/11/2015 01:02 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124230	-1	4.60	124135	4.58
Blue	F	SSC	125000	123960	-1	3.07	124822	2.71
Blue	E	FITC	17998	17530	-3	2.64	991	9.70
Blue	D	PE	23234	22614	-3	2.15	1022	8.89
Blue	B	PerCP-Cy5-5	69571	67982	-3	2.99	1787	14.18
Blue	A	PE-Cy7	77815	76333	-2	4.04	990	27.00
Red	C	APC	65936	64906	-2	2.61	3661	8.21
Red	A	APC-Cy7	100669	100489	-1	2.72	1975	8.06
Violet	B	V450	10405	9946	-5	4.44	617	8.96
Violet	A	V500	47250	45606	-4	4.19	2573	6.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19074	23.76	622	43	N/A	N/A	Pass
Blue	F	SSC	61808	1.79	528	39	N/A	N/A	Pass
Blue	E	FITC	108	35.45	542	27	0.0207	19	Pass
Blue	D	PE	211	26.50	534	27	0.1447	141	Pass
Blue	B	PerCP-Cy5-5	215	42.13	621	31	0.0097	0	Pass
Blue	A	PE-Cy7	71	109.37	680	34	0.0127	12	Pass
Red	C	APC	338	27.09	593	15	0.0208	34	Pass
Red	A	APC-Cy7	123	39.02	574	15	0.0047	870	Pass
Violet	B	V450	66	46.73	475	25	0.0431	2326	Pass
Violet	A	V500	167	23.44	515	27	0.0140	460	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.64	-31.19	0.72
Blue	20.48	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.18
Red	16.75	13.09 - 19.63	N/A	N/A	31.42	31.90	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10650

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments